

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-18: (Canceled)

19. (New) A method for modulating a developmental pathway of a plant or plant cell comprising modifying a gene or modifying expression of said gene, wherein said gene comprises an RKS4 gene or functional equivalent thereof.
20. (New) The method according to claim 19, for modulating plant growth characteristics.
21. (New) The method according to claim 19, for modulating meristem formation, size, and identity.
22. (New) The method according to claim 19, for modulating vegetative organ formation, comprising leaves, shoots, and roots.
23. (New) The method according to claim 19, for allowing modulating reproductive organ formation, comprising flowers, pollen, and seeds.
24. (New) The method according to claim 19, for modulating organ size.
25. (New) The method according to claim 19, for modulating cell division.
26. (New) The method according to claim 19, for modulating pollen development.
27. (New) A method for providing resistance to a plant or plant cell comprising modifying a gene or modifying expression of said gene, wherein said gene comprises an RKS4 gene or functional equivalent thereof.